

A B S T R A C T

A METHOD OF SYNTHESIZING NANOSCALE FILAMENTARY
STRUCTURES, AND ELECTRONIC COMPONENTS COMPRISING SUCH
5 STRUCTURES

A method of synthesizing electronic components
incorporating nanoscale filamentary structures in which
method a metallic catalyst (7) is deposited in a
10 nanoporous membrane (3), the catalyst being adapted to
penetrate in at least some of the pores (8) of the
nanoporous membrane (3), and filamentary structures are
grown on the catalyst in at least some of the pores (8)
in the nanoporous membrane (3). The nanoporous membrane
15 (3) is prepared in a manner suitable for ensuring that
the wall of the pores (8) include a single-crystal zone,
and at least part of the catalyst (7) is grown
epitaxially on said single-crystal zone.

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Translation of the title and the abstract as they were when originally filed by the
35 Applicant. No account has been taken of any changes that may have been made
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38.2, and/or 48.3.